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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/659,854	09/10/2003	Dong Kyu Lee	2060-3-58	5037
35884 7590 04/09/2007 LEE, HONG, DEGERMAN, KANG & SCHMADEKA 801 S. FIGUEROA STREET 12TH FLOOR LOS ANGELES, CA 90017			EXAMINER AL AUBAIDI, RASHA S	
			ART UNIT	PAPER NUMBER
			2614	
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		04/09/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/659,854

Applicant(s)

LEE, DONG KYU

Examiner

Rasha S. AL-Aubaidi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ezaki (US PAT # 6, 594, 485).

Regarding claim 1, Ezaki teaches a method of generating a ring back tone (see col. 11, lines 64) in a first terminal (reads on first radio base 3 transmit a ring back tone, see col. 11, lines 60-65), the method comprising: identifying type of a network to which a second terminal requesting a call setup belongs (col. 5, lines 1-26); generating ring back tone data to be transmitted to the second terminal according to the type of the network (see col. 11, lines 60-67); inserting the ring back tone data into a response message to the call setup; and transmitting the inserted response message to the second terminal (see col. 11, lines 60-67).

Ezaki does not specifically teach the communicating is performed based on an Internet protocol.

However, initiating communication using a data network (such as the Internet) is and old feature and well known in the art of telephony. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have generating and transmitting the ring back tone between the two stations send using the internet, since the use of the data network is more economical.

Claims 4-5, 9, 13-14, 17 and 20 are rejected for the same reasons as discussed above with respect to claim 1.

Claims 2, 10 and 18 are rejected for the same reasons as discussed above with respect to claim 1. Also, this feature is obvious.

Claims 3 and 12, recite " storing the ring back tone data; and reading the stored ring back tone data according to a "first-in first-out" method so as to insert the ring back tone data to the response message". Storing a ring back tone data cording to a "first in first out" is obvious, since "first-in first-out" method is old and well known in the art in the queuing system.

Claim 6 and 15 recite "the type of the network is identified based on a prefix included in the number of the second terminal (see col. 4, lines 42-58).

Claims 7 and 16 and 19 recite "the specific message informs that the network

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has no function for generating the ring back tone data". See col. 12, lines 1-10.

Claims 8, 11 and 19 recite "if the type of the network is a public switched telephone network, the first terminal generates the ring back tone data". See PSTN network 9 as shown in Fig. 1.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rasha S AL-Aubaidi whose telephone number is (571) 272-7481. The examiner can normally be reached on Monday-Friday from 8:30 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar, can be reached on (571) 272-7488.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



RASHA S. AL-AUBAIDI
PATENT EXAMINER

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4/2/07